THE SPRAYING OF ORCHARDS

The Power Sprayer Does Rapid and Thorough Work in Demonstrations Conducted by the Dominion Fruit Division.

The Fruit Division of the Dominion Department of Agriculture is just now giving a series of orchard demonstrations in Ontario and Quebec to illustrate the great advantages which follow the use of the power sprayer. During the past week work has been carried on in the vicinity of Woodstock and Ingersoll, Ont., by Messrs. P. J. Carey, Dominion Fruit Inspector, and J. C. Harris, West Oxford, both practical farmers, who have made a success of fruit growing and who give careful attention to all the details of their spraying operations. The chief object is to show that a dozen or more farmers may profitably combine to purchase a power sprayer, place it in charge of some such man as usually does threshing, who can easily make himself thoroughly conversant with the best methods of spraying, and engage him to make regular visits to their orchards. At each farm the expert sprayer will only require the assistance of a teamster, and thus the regular work of the farm need not be interrupted. Under present methods every farmer in the fruit districts requires a spraying outfit of his own, and the spraying, if done at all, is done in a careless, half-hearted way by men who do not know just when or how the work should be performed. Farmers are very busy at the season when spraying should be done, consequently it is often neglected entirely, or postponed until too late to be effective.

Farmers have reason to feel indebted to Mr. W. A. MacKinnon, chief of the fruit division, for bringing to their attention the merits of the power sprayer. If the old methods of spraying were valuable, and it is generally admitted that they were, this new plan must prove infinitely better. It is thorough and rapid and is accomplished with little or no exertion or inconvenience. The pressure is supplied by a small gasoline engine on the wagon and the spraying done while the horses are driven up and down between the rows of trees. The liquid is forced from a tank on the wagon through two lines of small rubber hose. By the use of bamboo rods, with a cluster of six small nozzles at the end, it is possible to reach the topmost parts of the trees, and the spray, which is as fine as a cloud of vapor, falls lightly upon the trees, and adheres much better than if applied in a coarse spray, as is sometimes done. The pressure of 80 to 100 pounds to the inch ensures a spray so fine that it penetrates to all parts of the trees. This is one of the chief advantages of the new sprayer. The difficulty has been to reach the tops of trees without a waste of the preparation used, which has been the invariable result when a heavy stream was turned on. Again the appliances used by most farmers have only one nozzle, while this, as has been stated, has six on each line of hose, and the force is much greater and the mist finer, which is all-important.

Under favorable conditions the operators of this machine could probably spray from 600 to 800 trees per day. Forty trees some of them difficult to get at, were sprayed in about twenty-five minutes; after making several moves a day, some of them long ones, the operators have been averaging between 400 and 500 trees a day. The trees sprayed will be given a regular course—four sprayings at least.

It is hoped by the Department of Agriculture that these tests will bring about the general adoption of the power sprayer. A similar spraying apparatus is being used by private owners in the Niagara District, and is said to give excellent results.

The efficiency of the machine will shortly be increased, as it is the intention to use either nine or twelve nozzles instead of six on each line. Mr. MacKinnon is this week attending a public competition of power sprayers in the famous Hitching's orchard, near South Onondaga, N.Y., in order to familiarize himself with the merits and demerits of the various machines now on the market.

It is contended that if farmers will only unite to carry out a systematic campaign of spraying, according to the latest methods, a great deal may be done towards eradicating the enemies of fruit. Exporters who are familiar with the results of spraying and the systematic care of orchards, strongly endorse spraying, claiming that it is certain to improve the quality of the fruit, and in support of their claim they refer to orchards where the system has been carried out, the fruit of which always commands the highest price.

COULDN'T PUT HIS COAT ON

Remarkable Cure of Dropsy by Dodd's Kidney Pills

George Robertson, of Montreal, a Physical Wreck, Restored to Splendid Health by the Great Kidney Remedy

Montreal, June 29.—(Special)—The case of George Robertson, of 392 James street, this city, is looked upon by those interested in medical matters as one of the most interesting on record. Mr. Robertson was a sufferer from Dropsy and was so bad that tapping was resorted to. Dodd's Kidney Pills cured him.

Interviewed regarding his cure, Mr. Robertson said: "I was troubled with Dropsy and Rheumatism for five years. I was a total wreck before I started to use Dodd's Kidney Pills. Before I got out of bed in the morning I could hardly put my feet on the floor, they were swollen so much from Dropsy.

"My arms used to swell at times so that I could not put my coat on. Before I had taken two boxes of Dodd's Kidney Pills I felt greatly relieved. Seven boxes cured me completely. I also had lumbago, but since I used Dodd's Kidney Pills I don't know what it is to be sick."

Dropsy, Lumbago and Rheumatism are all caused by diseased Kidneys. There can be no diseased Kidneys when Dodd's Kidney Pills are used.

Why They Liked Her.

Chicago News.

Ida—She is very popular with the young people.

May—But I hear she sits with her back toward them.

Ida—That is why they like her. She is the chaperon.

St. Martin, Que., May 16, 1895.
C. C. RICHARDS & CO:

Gentlemen,—Last November my child stuck a nail in his knee, causing inflammation so severe that I was advised to take him to Montreal and have the limb amputated to save his life.

A neighbor advised us to try MINARD'S LINIMENT, which we did, and within three days my child was all right, and I feel so grateful that I send you this testimonial, that my experience may be of benefit to others. LOUIS GAGNIER.

WALKING DELEGATE'S WIFE ON STRIKE.

The walking delegate never tired of talking of the strike, relates the Colorado Springs Gazette. He held that it was justifiable if ever a strike was, and it was perfectly proper to strike to secure a desired result. He told his wife so, and she seemed to agree with him. She said it seemed the easiest way.

And that night when he came home he found that the table was not set.

"I want a new dress," she said, when he asked what the trouble was.

"I know. You've been bothering me for that dress for a month," he said, "but how about supper?"

"There isn't any," she replied. "This is a strike."

"A strike?"

"Yes, a general tie-up. I've been trying to secure a peaceable settlement of this trouble for some time; now I've struck."

"Mary, do you dare—?"

"Oh, don't talk to me that way! If I can't get you to arbitrate, why, I've got to strike. I don't care if it does back the wheels of trade."

"But Mary, you don't understand."

"Oh, yes, I do. I've made my demands, and they've been refused. I've asked for a compromise, and that has also been refused. A strike is all there is left, and I've struck."

"But your demands are unreasonable."

"I don't think they are."

"You're no judge."

"You're the judge of your own demands when you strike, and I'm as good a judge as you are when I want something. It's no use talking. The strike is on."

She folded her arms in a determined way, and he subsided. It was perhaps half an hour later when he looked up and said:

"Mary, is the strike still on?"

"It is still on," she replied.

"Aren't you hungry?"

"No. I saw I had something in the treasury before the strike was ordered."

"Meaning the pantry?" he remarked.

"Meaning the pantry," she returned.

"I believe I'll get a bite, he said.

"It's locked," she replied. "The reserve is to be used simply to keep the striker's resources."

"Be careful, Mary," said he warningly. "If I shut off the cash—" She nodded toward the locked pantry.

"I can stick it out a week," she returned.

Five or ten minutes later he proposed that they compromise on the basis of $10.

"Twenty," she replied firmly.

"But I can't afford it," he protested.

"That's your business," she answered. "I offered to arbitrate once."

It was 10 o'clock that night when he finally gave in; and somehow he felt he had experienced a new phase of the strike business. It looked different from the other side of the fence.

A Fife Story.

A gentleman was telling in the train the other day a curious but perfectly pat retort he got from a canny native of Fifeshire. Driving through the "Kingdom" one day he came to a nice little village, and he hailed a passer-by and asked the name of the place. "It's ca'd Freuchie." "Oh, Freuchie. Why is it called Freuchie?—what does Freuchie mean?" "Whaur dae ye come frae?" asked the native. "We come from Glasgow." "Oh, ay; Glasgow. An' what dis Glasgow mean? An' hoo is it ca'd Glasgow?" was the retort. The stranger inquirer invited the horse to "gee up."

Bridal Sandwiches.

Slice the crust from the bottom of a fresh loaf of sandwich bread lengthwise, continue slicing the loaf in very thin slices until you have cut it all up; remove the crust and spread each slice with mayonnaise; lay crisp heart lettuce leaves first dipped quickly in French dressing; drain well and lay on each slice of bread, letting the edge of leaves extend over the slices of bread a trifle. Roll slices and fasten them with a wooden toothpick until ready to serve; pick must then be removed. Nasturtium blossoms may be used instead of lettuce leaves or the very thinnest slices of cold chicken or turkey; truffled partridge makes a fine filling for these sandwiches.—Elizabeth O. Hiller in June Housekeeper.

A Much Felt Want.

Buffalo News

"What's this thing?" asked a man, who was inspecting a music emporium. "That? Oh, that's used on violins. We call it a chin-rest." "Gimme one!" exclaimed the visitor. "S'pose it would work on my wife?"

ENGLISH SPAVIN LINIMENT

Removes all hard, soft or calloused lumps and blemishes from horses; blood spavin, curbs, splints, ringbone, sweeney, stifles, sprains, sore and swollen throat, coughs, etc. Save $50 by use of one bottle. Warranted the most wonderful blemish cure ever known.

Last Battle in Great Britain.

This was the battle of Culloden Moor, April 16, 1746, O. S. It was fought on a plain about five miles from Inverness, Scotland. It was the last attempt on the part of the Stuarts to get possession of the throne of Great Britain. This attempt was made by Charles Edward Stuart, "Bonnie Prince Charlie," a grandson of James II. He defeated the English in the battle of Falkirk, but in a second battle, at Culloden, was finally defeated by the Duke of Cumberland. He wandered as a fugitive in the highlands for five months, finally succeded in getting out of the country and died in Rome, Jan. 30, 1788.

The Athlete and His Stomach.

Probably the most important consideration for an athlete in training is the condition of his stomach. The quantity and quality of food and the regularity of meals and sleep are all carefully watched, because it is necessary for the stomach to be in perfect running order if the athlete would make the most of his powers. For this important organ affects the nervous system as well as the muscles, and the nerves and head have as much to do with winning a race as the sinews. There is danger in over-eating as there is in insufficient nourishment, the trainers say; because, while the latter may weaken a man, the former produces dullness and inertia. "A man with his stomach full," said Trainer Hirshburg, at Columbia University, "hasn't the clean,

Charity.

Life.

"Papa, what is charity?"

"Charity, my son, is giving away what you don't want."

"What is scientific charity?"

"Scientific charity is giving away what you don't want to some one who does not want it."

"What is organized charity?"

"Organized charity, my son, is giving away something that you don't want to some society which will give it away to some one who does not want it.

MASSEY-HARRIS CORN HARVESTER

Massey-Harris Co., Limited, added the Corn Harvester to their long line of up-to-date farming implements because their numerous patrons wanted a Massey-Harris Corn Harvester.

Its success in the heavy crops of recent years has been marked. Its excellent work and wearing qualities pronounce it a suitable mate for the Massey-Harris Grain Binder, which is sold by the tens of thousands every year.

The Massey-Harris Corn Harvester has an all-steel Frame. The Gears are the largest in use on corn binders. The Dividers are of ample length, and the machine has a wide range of tilt.

The Butt Pan can be raised or lowered to suit different lengths of corn. This admits of the Bundles being properly bound.

The Knotter is the famous Massey-Harris Knotter, which has done such unfailing work on the Grain Binder.

The Massey-Harris Corn Harvester should be the choice of every progressive farmer who appreciates quality, and wants good value for his money.

Stay Home and Save Money.

N. Y. Herald.

Baxter—I suppose you're going to the Comique to-night to see the woman with the iron jaw?

Hennpex—No, I'm going to stay at home and hear her.

BODY STRONG BRAIN CLEAR.

This Makes the Perfect Man--the Happy Woman.

South American Nervine.

The seat of the majority of chronic diseases is the nerve centers. Cure them—build up nerve force there—and you cure the disease. This is the secret of the amazing results attending the use of the **South American Nervine**—a veritable life-builder and eradicator of disease. Cures Stomach and Liver Complaints, General Debility, Impure Blood, Female Complaints, and every disease which indicates impaired nervous force. Read what it did for the family of A. W. Stephens, Strathaven, Ont. He writes: "A bottle of **South American Nervine Tonic** did more for my sister Ida than a whole summer's doctoring and drugging for after effects of La Grippe. It cured my father after months of torture from boils. Only used two bottles and has not been troubled now for seven years. It's the greatest of remedies."

Magical Relief

In Rheumatic and Neuralgic pains is afforded by the **South American Rheumatic Cure.** Cures in one to three days and does it thoroughly. An indisputable specific. No. 40

KILLING MUSTARD.

The Agricultural College to Give Demonstrations.

The Minister of Agriculture has again authorized the Ontario Agricultural College to give demonstrations in mustard spraying.

The demonstrations given in many parts of the Province in 1901 and 1902 were uniformly successful in the destruction of growing wild mustard plants in growing cereal crops; and it is believed that the blue-stone treatment of mustard will be welcomed by hundreds of farmers throughout Ontario.

I. How the blue-stone is applied—Place an ordinary spray pump, such as is used for the spraying of fruit trees, on a cart or light wagon; drive along slowly through the field applying the solution to the mustard plants in the form of a fine spray. When the field is badly infested, it is advisable to spray the crop in strips in order that no mustard plants escape the spray.

II. How the blue-stone solution is made—Put nine (9) pounds of blue-stone (copper sulphate) in a coarse sack or bag, and suspend it in a vessel containing three (3) gallons of very hot or boiling water. The blue-stone will usually dissolve in 15 or 20 minutes. Strain the solution into the barrel of the spray-pump, and fill up with cold water to make 40 or 45 gallons. This is known as the 2 per cent. solution. (1 pound of blue-stone in 5 gallons of water.)

III. When to spray the mustard plants—Spray the mustard on a calm, bright day, just as the plants are coming into bloom. At this time most of the young plants have made their appearance, and all will be killed. Should a heavy rain come immediately after spraying, it will be necessary to spray again.

IV. The cost of the solution—Commercial blue-stone or blue vitriol costs at the drug store about nine or ten cents per pound. A barrel of the solution will therefore cost about eighty or ninety cents.

V. How much is required to spray an acre thoroughly?—A barrel of the solution is sufficient for an acre. Successful results are obtained when the spraying is done thoroughly.

VI. Are the crops in which mustard is growing hurt by the spray?—Experience shows that the young wheat, barley, oats, or young clover plants are not injured beyond a slight browning for a few days by the blue-stone spray.

VII. Where further information may be obtained—Should you desire—further information regarding the treatment of mustard with blue-stone solution write to the Biological Department of the Ontario Agricultural College.

Minard's Liniment Cures Distemper.

Real Ancient.

Philadelphia Ledger.

In the northwestern section of this city there is a teacher who has charge of a primary class.

She was one morning giving her pupils a lesson on the civil war and wanted to impress on their minds how long ago it happened.

"Just think, children,' she said, "it was so long ago that even I don't remember it."

"O-o-o-o Gee!" exclaimed one of the boys.

Minard's Liniment Cures Garget in Cows.

CAKE-WALK CRAZE IN PARIS

Gay Capital Quite Captivated and Performing Strange Antics.

But then the cake-walk started and "a feeling of sadness and longing" began to creep upon us as one after another of twenty-four couples came out into the circus ring and made glowing idiots of themselves a la Americaine to the tunes of "Whistling Rufus," "You Are My Honeysuckle," "A Georgia Camp-meeting," "A Hot Time in the Old Town," and the rest of the old familiars. America at its worst never imagined such—a rag-time epidemic as is raging in—Paris to-day. The manager of the Nouveau Cirque—an American, by the way, who knows a business proposition when he sees it—told me later in the evening that it is the greatest fad he has ever seen in twenty-five years as a circus and theatrical manager. That he has given his public rag-time and cake-walk now for seven months without a change of bill, and that it gets more and more popular every day and that the Nouveau Cirque has eclipsed all business records in theatrical Paris.

"Wonderful!" I exclaimed, and turned again to where fashionable Paris was disporting itself in the circus ring. Some of the women were beautifully gowned and managed to make themselves as attractive as a woman can be in that unbeautiful dance. But the men! Well, the most melancholy sight on earth is a man—a well-dressed, well-groomed, well-bred, ordinarily dignified man—making a consummate idiot of himself for the amusement of a jeering crowd. He looks weak, helpless, simple, pitiable, and all the time he seems to half realize it and to be laboring to overcome it. The only man in that crowd of twenty-four fashionable cake-walkers that I didn't feel profound pity for was the one who was entirely encased in a grotesque bearhide. Everybody knew everybody, and the conversation between the ring and the boxes was general, indiscriminate, and entertaining, and everybody was evidently very happy. The whole house glittered with jewels and beautiful women. Every seat in the big auditorium was occupied, and everybody was in evening dress, and the effect was almost startling in its brilliancy. A row of seats had even to be put around the inside of the ring for the accommodation of a couple of hundred unaccompanied bachelors who made a nice study in black and white sitting close together side by side in a complete circle. —Eleanor Franklin's Paris letter in Leslie's Weekly.

Limerick Intelligence.

Penn. Punch Bowl.

'Tis said that old Earl of Warwick
(A personage very histarwick)
Dismissed his physician,
A man of posician,
For making him drink paregarwick.

SUNLIGHT SOAP REDUCES EXPENSE

$5,000 Reward will be paid by Lever Brothers Limited, Toronto, to any person who can prove that this soap contains any form of adulteration whatsoever, or contains any injurious chemicals.

Ask for the Octagon Bar. 215

The Wisdom of Age.

Atlanta Constitution.

"So you quarrelled with your wife?"

"No, suh—she quarrelled wid me."

"Don't you ever answer back?"

"Jedge," replied the witness, "I'm forty years old!"

Minard's Liniment Cures Colds, etc.

Getting Satisfaction at Law.

Cleveland Plain Dealer.

"How did you come out with your lawsuit?"

"I won it."

"Get damages?"

"Sure. I got almost enough to pay my lawyer."

Minard's Liniment Cures Diphtheria.

Rice Cake.

A delicate rice cake for dessert may be made as follows: Put a pint of cold, fresh milk in a saucepan over a hot fire. When it boils add a heaping cup of well washed rice. Let the rice cook slowly in the milk for twenty minutes, then cool it in the saucepan for half an hour. Add six heaping tablespoonfuls of sugar, and stir them in well. Then add three whole eggs and flavor with a tablespoonful of orange flower water or orange extract. Roll some good puff paste very thin, line a tin pudding mould, holding about three pints, with the paste; add the rice with the eggs, sugar and flavoring, and put the pudding in a moderate oven to bake for forty minutes. Then cool the pudding, cover it with an icing and serve. This makes a firm cake, which should be well flavored with orange extracted and garnished with a little acid jelly. The orange extract is made by soaking the yellow peel of a California orange in 90 per cent. alcohol for at least two weeks. Grate the peel into the alcohol or pack it in thin slices, and see that there is enough of it to fill the bottle completely.—Tribune.

"THE ONLY WAY."

There is but one way to properly appreciate the advantages of a trip to New York or Boston on the trains of the New York Central Railway, and that is to use the line. See your ticket agent.

Wisdom of a Kind.

Chicago Journal.

A laugh is worth a hundred groans in any market.

It is natural that the man who gives himself away should feel cheap.

What a good world this would be if all men did what they boast of.

A postponed task more toil begets, and borrowed money pays no debts.

Some people get credit for broken hearts when they have simply lost their nerve.

It takes one to make a mind, two to make a bargain, three to make a marriage.

PERFECTLY HARMLESS and yet effectual Painkiller may be administered by inexperienced persons without fear of accident. For all bowel complaints it is a sure specific. Avoid substitutes. There is but one "Painkiller"—Perry Davis'.

Punishment for Talking.

The Duke of Argyle tells this story of Winston Churchill, which shows that the talent for talk developed young in the author and member of Parliament.

Some years ago he visited Harrow and noting a boy running around the cricket field all by himself asked what he was doing it for.

"That's Lord Randolph Churchill's son, and whenever he talks too much we make him run three times round the cricket field."

Lever's Y-Z (Wise Head) Disinfectant Soap Powder is a boon to any home. It disinfects and cleans at the same time.

The fisherman now begins to pose as the reel thing.

ISSUE NO. 27. 1903

Mrs. Winslow's Soothing Syrup should always be used for Children Teething. It soothes the child, softens the gums, cures wind colic and is the best remedy for Diarrhœa.

WANTED—BRIGHT, ENERGETIC young men from the farm, with good address and pluck that cannot be turned down, can make from $10 to $20 per week selling our specialties of recognised merit to the wholesale and retail merchants in the United States on commission; travelling expenses advanced. Address P.O. box No. 68 Hamilton, Ont.

AGENT WANTED—TO HANDLE ON a good commission, our Elevators in this district. A reliable firm or man, preferably connected with building business. Address Canadian Otis Elevator Company, Limited, Hamilton, Ont.

R & O Steamers **Summer Excursions**

To Rochester, 1000 Islands, Bay of Quinte, Rapids St. Lawrence, to Montreal, Quebec, Murray Bay, River du Loup, Tadousac, Saguenay River.

Steamers Toronto, Kingston

also by steamers Hamilton, Spartan and Corsican.

Further information apply to H. Foster Chaffee, Western Passenger Agent, Toronto

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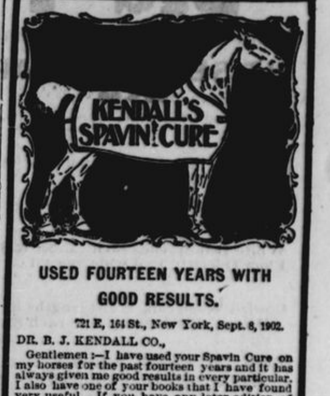
1,000 MILE AXLE GREASE

It Has No Equal

Manufactured only by

THE CAMPBELL MFG. CO. of HAMILTON, ONTARIO.

For sale by all leading dealers.



USED FOURTEEN YEARS WITH GOOD RESULTS.

721 E. 164 St., New York, Sept. 8, 1902.

DR. B. J. KENDALL CO.,

Gentlemen:—I have used your Spavin Cure on my horses for the past fourteen years and it has always given me good results in every particular. I also have one of your books that I have found very useful. If you have any later edition of the "Treatise on the Horse and his Diseases," will you kindly send me one.

Respectfully yours, B. F. FRISBIE.

It is an absoutely reliable remedy for Spavins, Splints, Curbs, Ringbones, etc. Removes the buncle and leaves no scar. Price $1; six for $5. As a liniment for family use it has no equal. Ask your druggist for KENDALL'S SPAVIN CURE, also "A Treatise on the Horse," the book free, or address

DR. B. J. KENDALL CO., ENOSBURG FALLS, VT.

Contretemps.

Chicago Tribune.

He met her just as he stepped on the car,
She saw he was smoking a cheap cigar,
He spoke not, and she was equally dumb,
For she saw he saw she was chewing gum.

There is more Catarrh in this section of the country than all other diseases put together, and until the last few years was supposed to be incurable. For a great many years doctors pronounced it a local disease and prescribed local remedies and by constantly failing to cure with local treatment, pronounced it incurable. Science has proven catarrh to be a constitutional disease and therefore requires a constitutional treatment. Hall's Catarrh Cure, manufactured by F. J. Cheney & Co., Toledo, Ohio, is the only constitutional cure on the market. It is taken internally in doses from 10 drops to a teaspoonful. It acts directly on the blood and mucous surfaces of the system. They offer one hundred dollars for any case it fails to cure. Send for circulars and testimonials.

Address F. J. CHENEY & CO., Toledo, O.

Sold by Druggists—75c.

Hall's Family Pills are the best.

Quite a Different Matter.

Chicago Post.

"The boys are throwing stones at a poor peddler."

"Outrageous."

"That's what I think."

"Whose boys are they?"

"Yours."

"Oh, well, boys will be boys. Let the children play."

Piles To prove to you that Dr. Chase's Ointment is a certain and absolute cure for each and every form of itching, bleeding and protruding piles, the manufacturers have guaranteed it. See testimonials in the daily press and ask your neighbors what they think of it. You can use it and get your money back if not cured. 60c a box, all dealers or EDMANSON, BATES & CO., Toronto.

Dr. Chase's Ointment

Venomous Things.

Patience—She says some one was pleased to hear her talk for an hour.

Patrice—Perhaps she was talking to herself.

Dick's Blood Purifier

is the best Tonic for

Horses and Cattle

It puts cows in perfect health, and increases the flow of milk.

DICK'S gives horses a smooth glossy coat, and puts life and spirit into them.

Try a package with any run-down animal you may have and you will be convinced.

50 cents a package.

LEEMING, MILES & CO., AGENTS, MONTREAL

SUPERIOR TO ALL OTHERS

E. B. EDDY'S NEW INDURATED FIBRE WARE

TUBS, PAILS, ETC

For sale by all first class dealers

INSIST ON GETTING EDDY'S

ONTARIO ARCHIVES
TORONTO